-160 pd ck 898
8/18/23 SG

Property within 500' of adjoining Town boundary? ____
If so, which town(s)? _____
Date the notice was sent by KIWWC to town clerk of adjoining municipality(ies)_____
Receipt date of copy of Applicants notice to adjoining municipality_____

Application #: 23-1571
Date Submitted: 8/18/2023
Date of Receipt by Comm.: _____
Fee: _____
Staff Initials: _____

KILLINGLY INLAND WETLANDS & WATERCOURSES COMMISSION APPLICATION

A $100.00 base fee (or, for a proposed subdivision, $100.00 per lot, whichever is greater) plus $60.00 state fee must accompany each application (Total fee: $160.00). THIS FEE IS NON-REFUNDABLE. Checks or money orders should be made payable to the Town of Killingly. Public hearing fee: $225.00 required in addition to the above fees if a public hearing is required by the commission(s) and not already included.

TO BE COMPLETED BY THE APPLICANT – PLEASE PRINT

Applicant's Name: Michael Shabenas
Day Phone #: 860-455-6324 Evening Phone #: _____
Mailing Address: 304 Hartford Pike
Owner of Record: Michael Shabenas, Jessica O'Brien & Irving & Jeffrey Buchsbinder
Mailing Address: _____ Phone #: Same

Applicant's interest in the land if the applicant is not the property owner: _____

Authorization of property owner: _____

LOCATION OF PROPERTY:

House # and Street: 254 Wheatley Street
Tax Map Number: 159 Block: _____ Lot: 116.1
Zoning District: MD Lot Size: 11,473 S.F. Lot Frontage: _____
Easements and/or deed restrictions: _____

PURPOSE:

Provide the purpose and description of the proposed activity, including a list of all proposed regulated activities:
Proposed construction of a single family home with public water & on-site septic system

RECEIVED
AUG 18 2023
PLANNING & ZONING DEPT.
TOWN OF KILLINGLY

ON-SITE WETLANDS AND WATERCOURSES:
Windham County wetland soil types and areas of each type: Merrimac Fine Sandy Loams & Sudbury Sandy Loam

Watercourse(s) – type (pond, stream, marsh, bog, drainage ditch, etc.), manmade or natural, and area of each:

Stream - Davis Brook

ALTERNATIVES:
List alternatives considered by the applicant and state why the proposal to alter wetlands as set forth in the application is necessary and was chosen:

No Alteration of Wetlands is Proposed

MATERIALS:
Provide the volume (cubic yard) and nature of materials to be deposited and/or extracted:

No Materials will be Deposited or Extracted in the Wetlands

MITIGATIVE MEASURES:
List measures to be taken to minimize or avoid any adverse impact on the regulated area:

Silt Fence

BIOLOGICAL EVALUATION:
Describe the ecological communities and functions of the wetlands or watercourses involved with the application and the effects of the proposed regulated activities on these communities and wetland functions:

Davis Brook Discharges from a Larger Wetlands System on the East Side of Route 12 and the Perimeter Wetlands are Substantially Overgrown with Invasive Vegetation; it Does Not Provide any Unique Habitat but Functions as a Conveyance for Surface Water Discharge.

SITE PLAN*:

Scale 1"=40' showing existing and proposed conditions in relation to wetlands and water courses to include, but not be limited to:

Contours

Buildings

Wells

Driveways

Septic Systems

Drainage Systems (Including Culverts, Footing and Curtain Drains)

Erosion and Sedimentation controls

Wetlands

Watercourses

Areas of Excavation and /or Material Deposit

Refer to Section 6.0 – Application Information Requirements and Section 7.0 – Application Evaluation Criteria of the Killingly Inland Wetlands & Watercourses Commission Regulations for information the Commission may require. Professionally prepared plans (Licensed Land Surveyor/Professional Engineer registered in the State of Connecticut, Soil Scientist) may be required for significant activities.

ADDITIONAL INFORMATION:

List additional information submitted by the applicant:

NITROGEN DILUTION COMPUTATION & DRAINAGE AREA MAP

The applicant understands that this application is to be considered complete only when all information and documents required by the Commission have been submitted. The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his/her knowledge and belief. Permission is granted to the Town of Killingly, Killingly Inland Wetlands & Watercourses Commission, and its agent (s) to walk the land, at reasonable times, and perform those tests necessary to properly review the application, both before and after a final decision has been issued.

Applicant's Signature: _____ Date: 8-16-23

Owner of Record: _____ Date: 8-16-23

LIST OF AJACENT LAND OWNERS as of 8/15/2023 GIS

Michael Shabenas
254 Wheatley
Killingly, CT

Job No. 23046

MAP/BLOCK/LOT **KILLINGLY**	NAME
Map 159, Lot 117	Joann Nakagawa 805 No. Main Street Killingly, CT 06239
Map 159, Lot 116	Judy L. Lester 799 No. Main Street Killingly, CT 06239
Map 159, Lot 114	Joey J. Daher US Bank Trust Natl Assoc As Owner Trute 1008 Davis Ave Killingly, CT 06239
Map 159, Lot 113	Raymond J. Brien 1014 Davis Ave. Killingly, CT 06239
Map 159, Lot 94	Annalise Realty, LLC 344 Windham Road Killingly, CT 06239
Map 159, Lot 92	Jared M. Isbell & Megan I. Isbell 1028 Davis Ave. Killingly, CT 06239
Map 159, Lot 93	Paul J. Maximowicz & Ann M. Maximowicz 259 Wheatley Street Killingly, CT 06239

Connecticut Department of
ENERGY & ENVIRONMENTAL PROTECTION

GIS CODE #: ___ ___ ___ ___ ___ ___ ___ ___ ___
For DEEP Use Only

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions on pages 2 and 3 and mail to:
DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106
Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

1. DATE ACTION WAS TAKEN: year: _____ month: _____
2. ACTION TAKEN (see instructions - one code only): _____
3. WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
   (print name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTIVITY IS OCCURRING (print name): Killingly
   does this project cross municipal boundaries (check one)? yes ☐ no ☐
   if yes, list the other town(s) in which the activity is occurring (print name(s)): _____, _____
6. LOCATION (see instructions for information): USGS quad name: Danielson or number: 43
   subregional drainage basin number: _____
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Michael Shabenas
8. NAME & ADDRESS OF ACTIVITY / PROJECT SITE (print information): 254 Wheatley St.
   briefly describe the action/project/activity (check and print information): temporary ☐ permanent ☑ description: Proposed Construction of a single family home
9. ACTIVITY *PURPOSE* CODE (see instructions - one code only): A
10. ACTIVITY *TYPE* CODE(S) (see instructions for codes): 1, 2, 12, 14
11. WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, must provide acres or linear feet):
    wetlands: 0 acres open water body: 0 acres stream: 0 linear feet
12. UPLAND AREA ALTERED (must provide acres): _____ acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

Killingly Engineering Associates
Civil Engineering & Surveying

Engineering – Surveying – Site Planning
P.O. Box 421
Dayville, CT 06241

Telephone (860) 779-3703
Fax (860) 774-3703

SEPTIC SYSTEM NITROGEN RENOVATION ANALYSIS

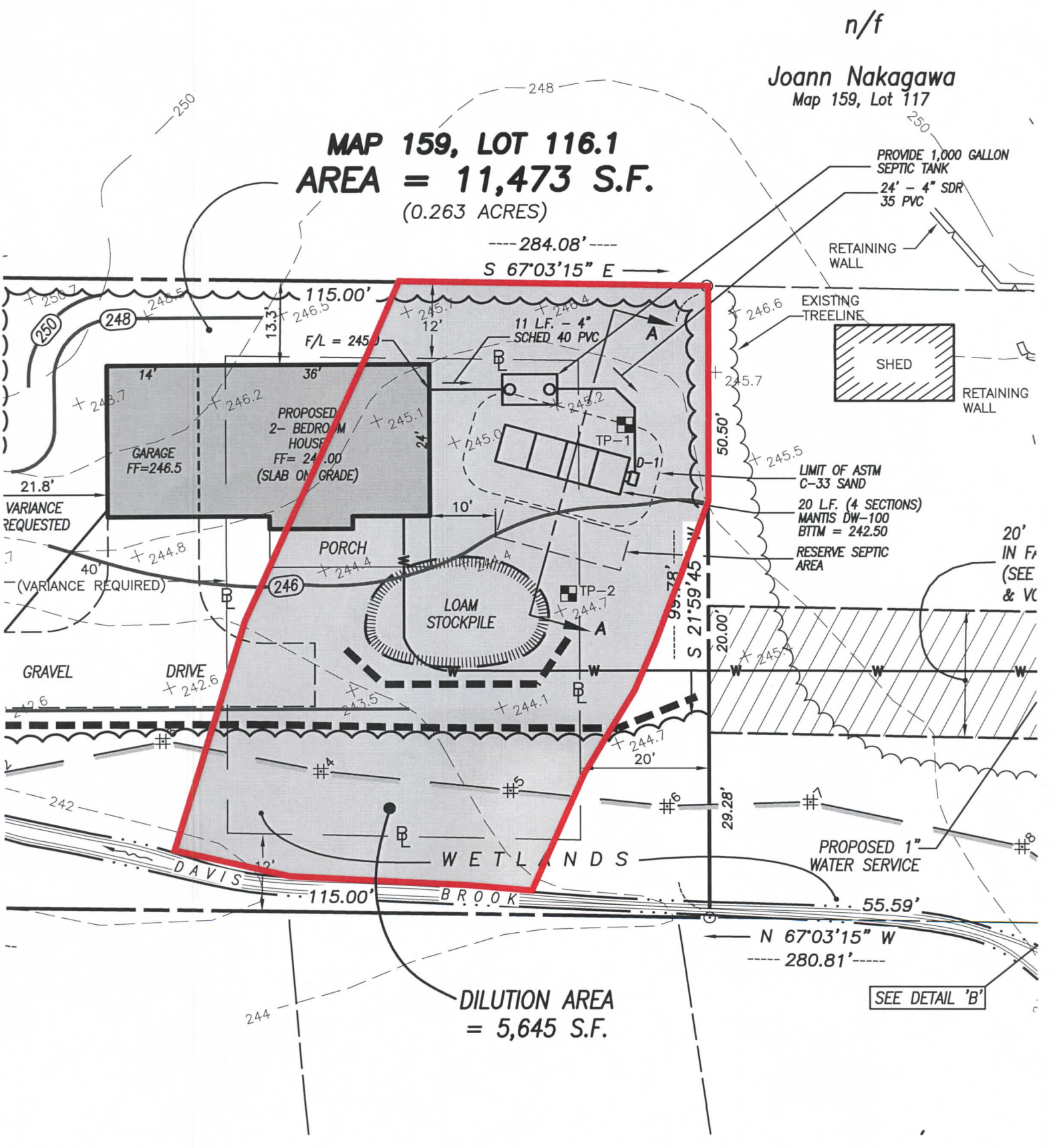
Client: Michael Shabenas
Project: 254 Wheatley Street
Proj. No: 23046

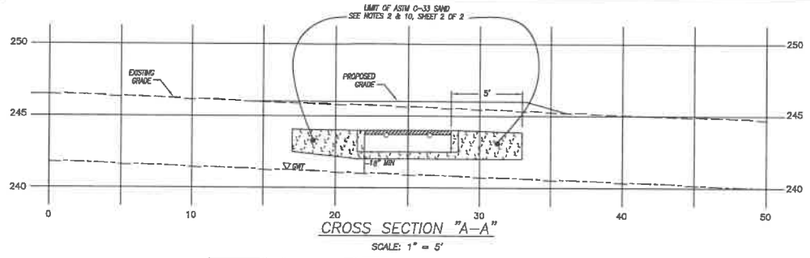
Prepared By: NET
Checked By:

Date: 8/16/2023
Date:

# bedrooms	2		(Each bedroom contributes 150 gpd)
nitrogen concentration in raw wastewater	40	mg/l	(Typical household wastewater = 40 mg/l)
pretreatment nitrogen removal	40	%	(Typical removal in septic tank = 40%)
Average daily precipitation	0.012	ft/ft^2	(CT average precipitation = 0.012 ft/ft^2/day) (52 inches per year)
Dilution drainage area	5,645	ft^2	(Only areas on the subject property should be included in the drainage area)
Average runoff coefficient	0.15		
Diluted nitrogen concentration	**9.9**	**mg/l**	(Drinking water standard is 10 mg/l, max.)

Analysis methodology is taken from "Seepage and Pollutant Revonvation Analysis for Land Treatment Sewage Disposal Systems, CT DEP, Revised 1997"


n/f
Joann Nakagawa
Map 159, Lot 117
MAP 159, LOT 116.1
AREA = 11,473 S.F.
(0.263 ACRES)
PROVIDE 1,000 GALLON SEPTIC TANK
24' - 4" SDR 35 PVC
RETAINING WALL
----284.08'----
S 67°03'15" E
115.00'
EXISTING TREELINE
SHED
RETAINING WALL
11 L.F. - 4" SCHED 40 PVC
F/L = 245.0
PROPOSED 2- BEDROOM HOUSE FF= 24.00 (SLAB ON GRADE)
GARAGE FF=246.5
14'
36'
24'
12'
13.3'
21.8'
VARIANCE REQUESTED
40'
(VARIANCE REQUIRED)
10'
PORCH
TP-1
D-1
TP-2
LOAM STOCKPILE
LIMIT OF ASTM C-33 SAND
20 L.F. (4 SECTIONS) MANTIS DW-100 BTTM = 242.50
RESERVE SEPTIC AREA
50.50'
S 21°59'45"
20.00'
20'
GRAVEL
DRIVE
WETLANDS
DAVIS BROOK
115.00'
29.28'
PROPOSED 1" WATER SERVICE
55.59'
N 67°03'15" W
----280.81'----
SEE DETAIL 'B'
DILUTION AREA
= 5,645 S.F.



CROSS SECTION "A–A"

SCALE: 1" = 5'

PERCOLATION TEST RESULT – March 28, 2013
Killingly Engineering Associates
HOLE 1
Depth = 22" Rate = 6.7 min./in.

Time	Reading
13:30	1"
12:35	7"
12:40	9"
12:45	11"
12:50	12.25"
12:55	13"
1:00	13.75"
1:05	14.5"

TEST HOLE DATA – March 28, 2023
Northeast District Department of Health

TEST PIT	DEPTH	PROFILE
1	0"– 9"	Topsoil/organics
	9"– 66"	Red–brown loamy sand
	55"–66"	Tan sand / boney
	66"–90"	Tan/white fine sand
	Ledge	N/A
	GWT	N/A
	Mottling	N/A
	Roots throughout	
2	0"– 9"	Topsoil/organics
	9"– 33"	Red–brown loamy sand
	33"–70"	Tan sand / boney
	70"–89"	Tan/white fine sand
	Ledge	N/A
	GWT	N/A
	Mottling	N/A
	Roots throughout	

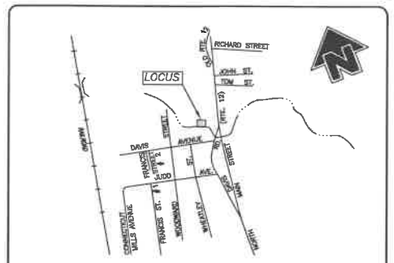
SEPTIC SYSTEM DESIGN DATA

Percolation Rate	=	6.7 min. / in.
2 bedroom house requires	=	375 s.f. effective leaching area
Effective Leaching area	=	20 s.f. / l.f. of Eljen Mantis DW–100
Length Required	=	375/20 = 18.75 l.f.
Length Provided	=	20 l.f.
Min. Leaching System Spread (MLSS)	=	Not Applicable
MLSS Provided	=	20'

LEACHING FIELD

One 20' row (4 sections) of Eljen Mantis DW–100 septic leaching units

Maximum depth into existing grade = 38" (per Eljen recommendations)

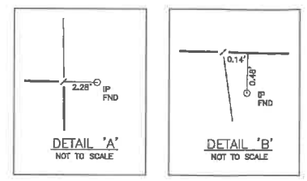


LOCATION MAP

SCALE: 1" = 1000'

20 10 0 20

GRAPHIC SCALE IN FEET



DETAIL 'A'
NOT TO SCALE

DETAIL 'B'
NOT TO SCALE

LINE DATA		
L1	S 25°11'49" W	27.39'

NOTES:

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20–300b–1 through 20–300b–20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996, Amended October 26, 2018;
   - This survey conforms to a Class "A–2" horizontal accuracy.
   - Survey Type: Improvement Location Survey.
   - Boundary Determination Category: Resurvey
   - Topographic features conform to a Class "T–2", "V–2" vertical accuracy.
2. Zone = MD.
3. Owner of record: Michael A. Shabenas, Jessica O'Brien & Irving & Jeffrey Buchbinder
   204 Hartford Pike
   Killingly, CT 06241
   (Vol. 1370, Pg. 694)
4. Parcel is shown as Lot #116.1 on Assessors Map #159.
5. Wetlands shown were flagged in the field by Mark H. Sullivan, Soil Scientist, on December 13, 2013.
6. Parcel lies within Flood Hazard Zone 'C' (areas of minimal flooding) as shown on FIRM Map #090136 Panel 0012B Effective Date: Jan. 3, 1985.
7. Elevations shown are based on approximate North American Vertical Datum of 1988. Contours taken from actual field survey. Contour interval = 2'.
8. Before any construction is to commence, contractor shall contact "CALL BEFORE YOU DIG" at 1–800–922–4455 or 811.
9. This portion of Wheatley Street is not an accepted street by the Town of Killingly. It is considered a "Paper Street" and is shown on the 1917 Plat Map of Connecticut Mills Village (see map reference #1). On October 10, 2013 the Killingly Zoning Board of Appeals granted a variance to allow access to and over Wheatley Street Extension and to serve as lot frontage. See volume 1269, page 712 of the Killingly Land Records.

MAP REFERENCES:

1. "Connecticut Mills Village – Danielson, Connecticut – Scale: 1" = 80' – Date: 1917." On file in the Killingly Land Records as Map 386, Page 84.
2. "Connecticut State Highway Department – Right of Way Map – Town of Killingly – Norwich–Putnam Road from So. Killingly Road Northerly to Richard St. – Route No. 12 – Scale: 1" = 40' Date: Oct. 29, 1937 – Sheet 3 of 3."
3. "Property Survey [illegible] Showing Parcel Division [illegible] Prepared for – Fidelis Holdings, LLC – 784 North Main Street (Rte. 12) & Wheatley St. Ext. Killingly, Connecticut" – Scale: 1" = 20' – Dated: 5/21/2014 – Revised to 7/10/2014 – Prepared by: Killingly Engineering Associates". On file in the Killingly Land Records as Map #5714. R

SURVEYOR SHALL SET A BENCH MARK IN THE AREA OF THE SEPTIC SYSTEM AT THE TIME OF CONSTRUCTION STAKE–OUT.

SEPTIC TANK
1000 GALLON TWO COMPARTMENT F/L IN = 244.50 F/L OUT = 244.25
DISTRIBUTION BOXES
D–1 (6–HOLE) F/L IN = 243.67 F/L OUT = 243.50

LEGEND

- IRON PIN FOUND
- CHD MONUMENT FOUND
- CHD PNT CHD MONUMENT POINT
- UTILITY POLE
- WG WATER GATE
- CB CATCH BASIN
- SMH SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING GAS LINE
- PROPOSED GAS LINE
- EXISTING WATER LINE
- PROPOSED WATER LINE
- 100 EXISTING CONTOURS
- 100 PROPOSED CONTOURS
- INLAND WETLANDS FLAG
- BUILDING SETBACK LINE
- SILT FENCE

NOTE: A VARIANCE IS REQUIRED TO REDUCE THE FRONT YARD AND TO ALLOW A PRIVATE SEPTIC SYSTEM ON A LOT WITHOUT 40,000 S.F. OF LOT AREA. PER "TABLE A" OF THE KILLINGLY ZONING REGULATIONS.

NOTE: THE PROPOSED HOUSE SHALL BE STAKED BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. AN AS–BUILT SURVEY SHALL BE PROVIDED TO THE TOWN OF KILLINGLY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

ANY CHANGES TO THESE PLANS WITHIN 200' OF WETLANDS OR WATERCOURSES MUST BE RESUBMITTED TO THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION FOR ITS APPROVAL.

THE APPLICANT WILL CONTACT THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION'S AGENT AFTER ALL EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED, PRIOR TO ANY CONSTRUCTION OR EXCAVATION ON THE PROPERTY.

APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION

CHAIRMAN DATE

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON,

GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

DATE	DESCRIPTION
AUG 18 2023	REVISIONS

PLANNING & ZONING DEPT.
TOWN OF KILLINGLY

IMPROVEMENT LOCATION SURVEY
SITE DEVELOPMENT PLAN
PREPARED FOR

MICHAEL SHABENAS

254 WHEATLEY STREET
KILLINGLY, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

DATE: 3/30/2023	DRAWN: RGS
SCALE: 1" = 20'	DESIGN: NET
SHEET: 1 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 23046

K:\23046\Drawings\23046 SSD.dwg Aug 18, 2023 – 10:49 AM

EROSION AND SEDIMENT CONTROL NARRATIVE:

PRINCIPLES OF EROSION AND SEDIMENT CONTROL

The primary function of erosion and sediment controls is to absorb erosional energies and reduce runoff velocities that force the detachment and transport of soil and/or encourage the deposition of eroded soil particles before they reach any sensitive area.

KEEP LAND DISTURBANCE TO A MINIMUM

The more land that is in vegetative cover, the more surface water will infiltrate into the soil, thus minimizing stormwater runoff and potential erosion. Keeping land disturbance to a minimum not only involves minimizing the extent of exposure at any one time, but also the duration of exposure. Phasing, sequencing and construction scheduling are interrelated. Phasing divides a large project into distinct sections where construction work over a specific area occurs over distinct periods of time and each phase is not dependent upon a subsequent phase in order to be functional. A sequence is the order in which construction activities are to occur during any particular phase. A sequence should be developed on the premise of "first things first" and "last things last" with proper attention given to the inclusion of adequate erosion and sediment control measures. A construction schedule is a sequence with time lines applied to it and should address the potential overlap of actions in a sequence which may be in conflict with each other.

- Limit areas of clearing and grading. Protect natural vegetation from construction equipment with fencing, tree armoring, and retaining walls or tree wells.
- Route traffic patterns within the site to avoid existing or newly planted vegetation.
- Phase construction so that areas which are actively being developed at any one time are minimized and only that area under construction is exposed. Clear only those areas essential for construction.
- Sequence the construction of storm drainage systems so that they are operational as soon as possible during construction. Ensure all outlets are stable before outletting storm drainage flow into them.
- Schedule construction so that final grading and stabilization is completed as soon as possible.

SLOW THE FLOW

Detachment and transport of eroded soil must be kept to a minimum by absorbing and reducing the erosive energy of water. The erosive energy of water increases as the volume and velocity of runoff increases. The volume and velocity of runoff increases during development as a result of reduced infiltration rates caused by the removal of existing vegetation, removal of topsoil, compaction of soil and the construction of impervious surfaces.

- Use diversions, stone dikes, silt fences and similar measures to break flow lines and dissipate storm water energy.
- Avoid diverting one drainage system into another without calculating the potential for downstream flooding or erosion.

KEEP CLEAN RUNOFF SEPARATED

Clean runoff should be kept separated from sediment laden water and should not be directed over disturbed areas without additional controls. Additionally, prevent the mixing of clean off-site generated runoff with sediment laden runoff generated on-site until after adequate filtration of on-site waters has occurred.

- Segregate construction waters from clean water.
- Divert site runoff to keep it isolated from wetlands, watercourses and drainage ways that flow through or near the development until the sediment in that runoff is trapped or detained.

REDUCE ON SITE POTENTIAL INTERNALLY AND INSTALL PERIMETER CONTROLS

While it may seem less complicated to collect all waters to one point of discharge for treatment and just install a perimeter control, it can be more effective to apply internal controls to many small sub-drainage basins within the site. By reducing sediment loading from within the site, the chance of perimeter control failure and the potential off-site damage that it can cause is reduced. It is generally more expensive to correct off-site damage than it is to install proper internal controls.

- Control erosion and sedimentation in the smallest drainage area possible. It is easier to control erosion than to contend with sediment after it has been carried downstream and deposited in unwanted areas.
- Direct runoff from small disturbed areas to adjoining undisturbed vegetated areas to reduce the potential for concentrated flows and increase settlement and filtering of sediments.
- Concentrated runoff from development should be safely conveyed to stable outlets using rip rapped channels, waterways, diversions, storm drains or similar measures.
- Determine the need for sediment basins. Sediment basins are required on larger developments where major grading is planned and where it is impossible or impractical to control erosion at the source. Sediment basins are needed on large and small sites when sensitive areas such as wetlands, watercourses, and streets would be impacted by off-site sediment deposition. Do not locate sediment basins in wetlands or permanent or intermittent watercourses. Sediment basins should be located to intercept runoff prior to its entry into the wetland or watercourse.

SEPTIC SYSTEM CONSTRUCTION NOTES

1. The building, septic system and well shall be accurately staked in the field by a licensed Land Surveyor in the State of Connecticut, prior to construction.
2. Topsoil shall be removed and in the area of the primary leaching field scarified, prior to placement of septic fill. Septic fill specifications are as follows:

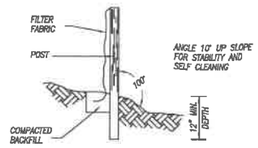
   – Max. percent of gravel (material between No. 4 & 3 inch sieves) = 45%

   GRADATION OF FILL (MINUS GRAVEL)

SIEVE SIZE	PERCENT PASSING (WET SIEVE)	PERCENT PASSING (DRY SIEVE)
No. 4	100%	100%
No. 10	70% – 100%	70% – 100%
No. 40	10% – 50%	10% – 75%
No. 100	0% – 20%	0% – 5%
No. 200	0% – 5%	0% – 2.5%

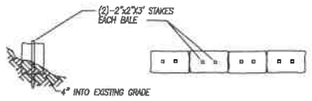
   Fill material shall be approved by the sanitarian prior to placement. It shall be compacted in 6" lifts and shall extend a minimum of five feet (5') around the perimeter of the system. Common fill shall extend an additional five feet (5') down gradient of the system (10' total) before tapering off at a maximum slope of 2H:1V.
3. Septic tank shall be two compartment precast 1000 gallon tank with gas deflector and outlet filter as manufactured by Jolley Precast, Inc. or equal.
4. Distribution boxes shall be 4 hole precast concrete as manufactured by Jolley Precast, Inc. or equal.
5. All precast structures such as septic tanks, distribution boxes, etc. shall be set level on six inches (6") of compacted gravel base at the elevations specified on the plans.
6. Solid distribution pipe shall be 4" diameter PVC meeting ASTM D-3034 SDR 35 with compression gasket joints. It shall be laid true to the lines and grades shown on the plans and in no case have a slope less than 0.125 inches per foot.
7. Perforated distribution pipe shall be 4" diameter PVC meeting ASTM D-3034 or ASTM F1760 for SDR 35, or ASTM F810 for SDR 38.
8. Sewer pipe from the foundation wall to the septic tank shall be schedule 40 PVC meeting ASTM D 1785. It shall be laid true to the grades shown on the plans and in no case shall have a slope less than 0.25 inches per foot.
9. Solid footing drain outlet pipe shall be 4" Diameter PVC meeting ASTM D 3034, SDR 35 with compression gasketed joints. Footing drain outlet pipe shall not be backfilled with free draining material, such as gravel, broken stone, rock fragments, etc.
10. Septic sand shall meet the requirements of ASTM C-33 with less than 10% passing a 100 sieve and less than 5% passing a 200 sieve

SIEVE SIZE	% PASSING
0.375	100
#4	95–100
#8	80–100
#16	60–85
#30	25–60
#50	10–30
#100	<10
#200	<5



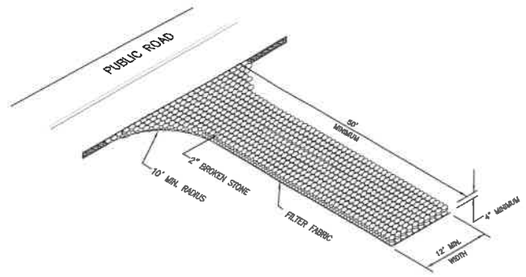
SILT FENCE

NOT TO SCALE



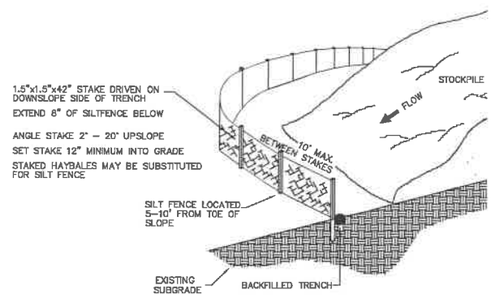
HAYBALE BARRIER

NOT TO SCALE



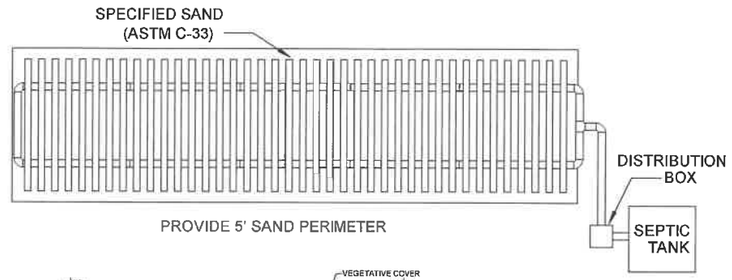
ANTI-TRACKING PAD

NOT TO SCALE

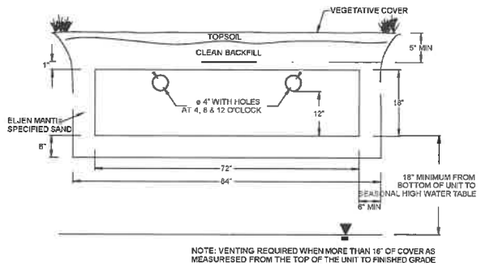


SILT FENCE @ TOE OF SLOPE APPLICATION

NOT TO SCALE



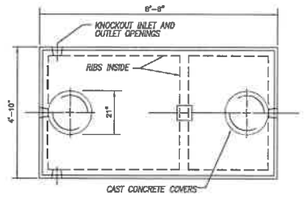
PROVIDE 5' SAND PERIMETER



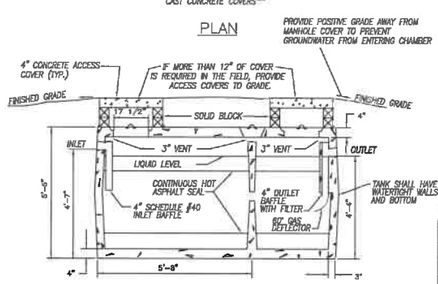
NOTE: VENTING REQUIRED WHEN MORE THAN 16" OF COVER AS MEASURESED FROM THE TOP OF THE UNIT TO FINISHED GRADE

ELJEN MANTIS DW-100

NOT TO SCALE



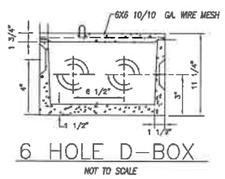
PLAN



CROSS SECTION

1000 GALLON
2 COMPARTMENT
SEPTIC TANK

NOT TO SCALE



6 HOLE D-BOX

NOT TO SCALE

DATE	DESCRIPTION

REVISIONS

DETAIL SHEET

PREPARED FOR

MIKE SHABENAS

254 WHEATLEY STREET
KILLINGLY, CONNECTICUT

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DATE: 3/30/2023	DRAWN: RGS
SCALE: NOT TO SCALE	DESIGN: NET
SHEET: 2 OF 2	CHK BY: GG
DWG. No: CLIENT FILE	JOB No: 23046

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

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